e changing positions of birds in

# Beatriz Michelena's History of the Motion Picture Industry

CHAPTER IV

In my last chapter I outlined briefly flight, or of other animals in their the most essential principles and various movements. The photographs workings of the motion picture came. that he could get with it during offe ra as it operates today. With this revolution of the plate, and conseestablished in advance the reader can quently before he had to call a halt better follow and appreciate the un- to load up with new "ammunition," tiring patience with which the early were very limited in number. Naturexperimenters worked toward its per- ally it could not nearly meet the refection. It is a tedious and often on quirements of commercialized motion scure period. Much of the work was picture photography as we know it manship. tested, revised unnumerably and final. today. However, it did serve its purly consummated in the dark. The great pose as adequately as Muybridge's boycott German and Austrian manupublic was scarcely cognizant of it, row of cameras, and had the added cared little and offered of encourage- and very decisive advantage of being

Looking back at it, we can penetrate behind the scenes but infrequently. Theirs are all the high light and pulsating courage of genuine ro-

As I have previously suggested, the could sweep the landscape and the country in the world, first motion picture photographers sky alike. were limited in their endeavors to However crude it may appear in ia and Alabama are working for comunwieldly and bulky glass plates. This view of later day developments, this pulsory educational laws. ities of their apparatus. But they important and carefully calculated the women of Russia have asserted made the best of what they had.

The first device to receive passing cessor Muybridge had some faint ing. graphic gun. Although its operation sult Senator Stanford a decade before, work are wearing trousers, as they are and consequently usefulness was de- While Marey was struggling and more comfortable and convenient cidedly limited in its extent, it was, stumbling, all unconscious of where dress. nevertheless, an ingenious conception the road was leading, toward the and a credit to its inventor, Dr. E. J. light in France, other experimenters. Republican candidate for president, is

In his camera or "gun" the doctor ing results soon to follow, were doing bo'der, is the camera was operated serves passing mention. However, this riota holder revolved very much his and other devices of the period so the cylinder of Alkali Ike's six- were glass plate affairs and conseshooter. Each jerky step forward in quently could not advance beyond the versities. the revolution brought a new section hard and fast line that stood as a Mrs. Martin Littleton still keeps up lens, and carried the preceding sec- commercial possibilities. tirn, now exposed, safely away into However, investigation had already cello. he dark and impenetrable regions of branched off on a new tangent and Miss Elbertie Foundray has charge ed, its entire outer edge was bordered er groping investigation, but with the Census Bureau. about with a series of small photo- courage to persevere, ears closed to Miss Marie A. Peary, daughter of their size being regulated by the word 'impossible" and all its syn- the Arctic explorer, l the adjustment of the lens), which fol- cnyms. It was the search for a pli-

lowed each other fi close succession.

Marcy devised this "photographic ment but unspeakably gigantic in its results.

and with it observed and registered (To be continued next week.)

"DOES SHE SHUT EYES?"

From a young wife came this curi-

"She is thinking, 'Oh, Lord, how

"Ah. It's because she is drugged,

intoxicated by the sweetness and joy

Puzzled by this diversity of female

quaintance as to why girls shut their

sten ore in the first nine months of the current year, against 1520 tons

The vacuum principle has been ap

in the like period of 1915.

when a fellow kisses her?

CAPABLE WOMEN AND THEIR WORK

Many men are now fighting in the ally run by women.

Germany's surplus of women now totals nearly a million.

The munition industries in France employ more than 100,000 women. Women telegraph operators in this country number more than 200,000.

Massachusetts has more than 9000 school teachers on the pension fund. London has a school where women are given a course in grocery sales-

Canadian women are organizing to factured goods.

Miss Ona E. Pfluke has been apbut one camera doing the work of the pointed Commissioner of Charities in previous many, Moreover Muybridge Middletown, N. Y. had to "plant" his apparatus and leave it stationary, like a set trap, until the land where women are licensed as

pictures were taken. Marey on the taxicab drivers. other hand, could turn his device in-In a few years Germany will have stantly in any direction. With it he more women attorneys than any other

The clubwomen of Louisiana, Georgimmediatly impoverished the possibil- invention of Dr. Marey was a very From the middle of the last century

promotion of the idea that his prede- their eagerness for professional trainnotice was designated as a photo- glimmering of when he went to con- Many British women doing men's

Mrs. Charles E. Hughes, wife of the

just as unthinkable of the astonish- a graduate of Wellesley College. Although not a salloress, Mrs. Elizaused one large circular glass plate major work in other parts of the beth W. Joy of Balitmore, Md., has thet fastened into a cylindrical plate globe. W. F. Greene of England de- crossed the Atlantic Ocean 29 times. One of the results of the present strike is the astonishing increase of women students in all German uni-

of uncrossed plate in front of the barrier betwen them and the greater her interest in the purchase of the home of Thomas Jefferson at Monti-

the camera. When the revolution undauntedly entered an unexplored of the bureau that compiles the set was completed and the plate develop field. It was half blind and altogeth- of life tables in the United States

> tion and is contemplating a trip to the Miss Etta M. Burkhart of Sheridan. Wyo., is conceded to be the "Queen of Potato Growers" in the United States

She has a record of raising 610 bush-Several cities in England now em-

ploy women as car conductors, Among the largest as car conductors. Among cently propounded a question which well. Any reversal of this statement Birmingham, with 700; Liverpool. ous of the greatest psycholo- is due to an abnormal condition and with 300; Sheffield, with 600 and not pathological interest— should be recognized as such. It may Leeds with 400. Miss Lotta Crabtree, once one of

the feted idols of the American stage excitement; when it assumes anything and now nearly 70 years of age, has joined the artist colony at Gloucester. Mass., and recently began the study

Twenty thousand clubwomen in Texas are working for good roads. They have built rural club houses, established markets for farm women and offered prizes for the best conducted rural schools.

The state railway of Wuerttemberg, Germany, has appointed the first women station masters in that country. She has complete charge of a station and directs the incoming and outgoing

The labor reserves in America to supply the existing demands are Many thousands of them being made for them.

ward to their aims.

HOW TO DYE

tains and draperles do not always same novice can quite simply roll it on know what colors will result from the linen squares of correct lunch napkin use of colored dyes. The following size. table indicates what colors will be produced in the dying of colored cloths.

Blue on red produces purple. Blue on yellow produces green. Blue on brown produces deep seal

Blue on purple produces blue-plum Blue on green produces bluish green.

Light blue on green produces pea-Light blue on crange produces

Red on dark green produces brown Red on blue produces purple. Red on yel ow produces scarlet.

Red on heliotrope produces wine Red on orange produces scariet. Red on green produces brown. Cardinal on navy blue produces light

Maroon on dark green produces Maroon on navy blue produces dark

Yellow on red produces scarlet. Yellow on blue produces green. Yellow on brown produces golden

Yellow on purple produces dull Yellow on green produces light

IRISH LINEN SETS

Among the newest temptations to buy at the counter where the table



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The gift ideal for your home is the improved

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Rising Tide, by Margaret

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# Hawaiian News Co.,

**Bishop Street** 

Pyle, Jessie Wilcox Smith

#### have already been drawn into industry been puzzled to know just what form for the first time without adequate of napkin to use with the Irish linen provisions for housing and protection sets. Madeira napkins, the dainty, When President Wilson ordered the ventional damask napkins are no more National Guard to the Mexican border so. But now we find the solution in Mrs. Charles E. Hughes, Mrs. L. M. the form of linen squares, edged about Garrison and Mrs. George W. Wieker- by an Irish lace picot. Many of them sham conceived the idea of a Women's are simply this and no more. Others American Supply League and are are decorated with an ornate mono seeking the cooperation of all women gram or conventional design at one who have time and money to give for- of the corners. While these may be bought at a shop for something like \$8 or \$9 a dozen, they can be very simple and easily made at home; for the merest novice can learn how to make a Housekeepers who wish to dye cur- picot or Armenian edge; and that

Year'Round

Give him the foun-

tain pen that will

please him year in

and year out-thepen

that fills itself at any

ink-well in the twink-

ling of an eye-the

pen that writes like

a charm to the

crossing of the

CONKLIN'S

Self-Filling

Fountain Pen

A touch of the thumb to

Crescent-Filler and it's filled.

It's the breech-loading foun-

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no inky fingers, no lost time, no ruffled

This is the genuine Conklin of world-wide fame, "The Pen with the Crescent-Filler," made by The Conklin Pen Co., Toledo, Ohio. Call and see this wonderful pen.

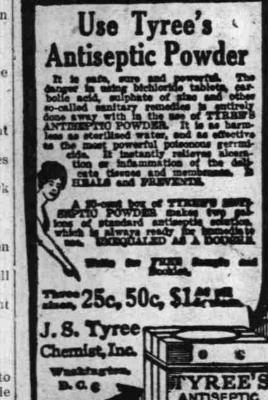
temper.

last "t"-

### ODDS AND ENDS

Most fruit contains a very large percentage of water, from 75 to 95 per

Milk contains no starch, but it does contain sugar. It is said that half a ound of dates and a glass of milk make a complete meal.



# Christmas Fruits and Smoked Meats--

We have just received big, new stocks of apples, oranges, hams and bacon from the coast. Order at once for your holiday menus:

	THE RESERVE THE PARTY OF THE PA
Pippins, per box	Picnie I Colonial
ORANGES	Star Ha
Washington Navel '	
Boxes of 80\$3.25	
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ent Jones Screet New York City

# HEALTH HINTS

A distinguished forum fighter re-

Having but the most meager experience in such matters, we were constrained, in the pursuit of knowledge, to seek information from others. signal and should be attended to. A suffragette, who we supposed knew a doctor should be notified of and deal with it; in older children it is only interested, seemed to be somewhat too often a bad habit, the result of vexed at our polite inquiry, and re irregularity or indulgence in the early "I'm sure I have not the slightest idea, unless the girl is ashamed of being such a silly fool as to kiss the the two frequently interacting in the

so, many children in these days. A new born infant should pass most Pursuing the investigation further of its time in sleep, only waking and among a number of young women who crying at the intervals when he is trained to expect food. And as early as possible these should not occur at night, so that when very young indeed ably knew something of the subject, we got such answers as the little creature learns to sleep all "If you have ever seen a male 'mug' obtained certainly by the end of the "Perhaps for the same reason that

men like to be blindfolded before they are shot or have to face any other hor. Early Hours Gradually ne will spend less of the day hours in sleep; by the time the But one sweet young thing, made sixth month is reached one-third of up of loveliness alone, answered the the 24 hours is the proper amount of question with melting eye and a rapt

From the first birthday till the end of the fifth year about 11 hours' sleep are needed, reduced by two hours for opinion, we appealed to a somewhat for the next two years, and by one means shockingly gay old blade of our actual from five to seven years old the the next two years, and by one more child should sleep 12 hours, and from then on to the tenth year eleven. It Answer is-they don't," he re is important, too, that bedtime should be early, 6 o'clock being quite late enough for children from two to six, Burma exported 2136 tons of tung and from 7 to 8 until they are ten years old.

plied to an ice-cream freezer that Save your old silk raincost to make freezes its contents automatically in Cut the blouse and skirt from the best what is left over, or from mohair. Trim it with a bright braid and make a tie and cap from the spare pieces, are very handy for carrying rubbers or slippers to school this winter. These bags are made in the shape of enyard long. This makes it convenient to sling the bag over the shoulder and carry in this manner.

> STAR-BULLETIN GIVES YOU TODAY'S NEWS TODAY

COCKROACHES are FILTHY KILL THEM BY USING STEARNS' ELECTRIC PASTE U. S. Government Buys It

All children who are healthy sleep namely, why does a girl shut her eyes; be—generally is—a temporary matter, due to indigestion, teething or undue of a permanent nature it is a danger

In small babies bad sleeping is al- of art. most certainly a matter of health, and days, and most certainly it should be combatted. "Nerves," too, largely a matter of heredity and environmentdaily life of the children of nervous parents-are a predisposing cause, the condition being also due to the strain

of work and excitement placed upon at close range—or ever looked in a night. If properly fed by day and mirror—you ought to understand why free from indigestion or other discomfort, a long, unbroken night should be

waking time, which means 16 hours'

### SAVING HINT

a nice bathing suit for next summer. brown. part and make the bloomers from Another use for that old coat is to make it into waterproof bags which velopes and are half a yard long and nearly as wide. Bind all around with plum color. tape and fasten with a snap. At the top and at each end fasten braid a purple.

SOLD EVERYWHERE-25c and \$1.00 linens are sold are the luncheon nap-